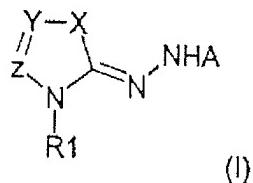


Amendments to the claims:

1. (currently amended) Ready-to-use agent for the simultaneous brightening and coloring of keratin fibers (A), based on a developer-coupler combination and having a basic pH, characterized in that it contains

(a) at least one heterocyclic hydrazone derivative of formula (1) or a physiologically compatible salt thereof



wherein

X denotes oxygen, sulfur or N-R₂,

Y denotes C-R3 or nitrogen and

Z denotes C-R4 or nitrogen,

provided that the heterocyclic part of the compound of formula (I) contains at the most three heteroatoms;

A denotes a hydrogen atom, an acetyl group, a trifluoroacetyl group, a formyl group, a (C1-06)-alkylsulfonyl group or an arylsulfonyl group;

R1 and R2 can be equal or different and independently of each other denote a saturated or unsaturated (C₁-C₁₂)-alkyl group, a halogen-substituted (C₁-C₁₂)-alkyl group, a hydroxy-(C₁-C₁₂)-alkyl group, an amino-(C₁-C₁₂)-alkyl group, a sulfonic acid-(C₁-C₁₂)-alkyl group, a formyl group, a C(O)-(C₁-C₁₂)-alkyl group, a C(O)-phenyl group,

a C(O)NH-alkyl group, a C(O)NH-phenyl group, a substituted or unsubstituted phenyl group or a benzyl group;

R3 and **R4** can be equal or different and independently of each other denote hydrogen, a halogen atom, a saturated or unsaturated (C₁-C₁₂)-alkyl group, a halogen-substituted (C₁C₁₂)-alkyl group, a hydroxyl group, a hydroxy-(C₁-C₁₂)-alkyl group, a (C₁-C₁₂)-alkoxy group, a cyano group, a nitro group, an amino group, a (C₁-C₁₂)-alkylamino group, a (C₁-C₁₂)- dialkylamino group, a carboxylic acid, a C(O)O-(C₁-C₁₂)-alkyl group, a substituted or unsubstituted C(O)O-phenyl group, a substituted or unsubstituted phenyl group or a naphthyl group;

and when **Y** and **Z** denote C-R3 and C-R4, **R3** and **R4** together with the remainder of the molecule form a heterocyclic or carbocyclic, saturated or unsaturated, substituted or unsubstituted ring system;

(b) at least one known coupler or a physiologically compatible salt thereof; and
(c) as oxidant a combination of at least one persulfate salt and hydrogen peroxide and/or an additional addition compound thereof,

which is selected from the group consisting of an additional compound of hydrogen peroxide to urea, an additional compound of hydrogen peroxide to melamine, an additional compound of hydrogen peroxide to sodium borate and an additional compound of hydrogen peroxide to sodium carbonate.

2. (canceled)

3. (currently amended) Agent according to claim 1 characterized in that the hydrozone derivative of formula (1) is selected from among Ready-to-use agent for the simultaneous brightening and coloring of keratin fibers (A) based on a developer-coupler combination and having a basic pH, containing

(a) at least one heterocyclic hydrazone derivative, which is selected from the group consisting of

3-methyl-2(3H)-thiazolone hydrazone,
3,4-dimethyl-2(3H)-thiazolone hydrazone,
4-tert.butyl-3-methyl-2(3H)-thiazolone hydrazone,
3-methyl-4-phenyl-2(3H)-thiazolone hydrazone,
3-methyl-4-(4-tolyl)-2(3H)-thiazolone hydrazone,
4-(4-methoxy)phenyl-3-methyl-2(3H)-thiazolone hydrazone,
4-(4-ethoxy)phenyl-3-methyl-2(3H)-thiazolone hydrazone,
4-(4-bromophenyl)-3-methyl-2(3H)-thiazolone hydrazone,
4-(3-bromophenyl)-3-methyl-2(3H)-thiazolone hydrazone,
4-(4-chlorophenyl)-3-methyl-2(3H)-thiazolone hydrazone,
4-(3-chlorophenyl)-3-methyl-2(3H)-thiazolone hydrazone,
3-methyl-4(4-nitrophenyl)-2(3H)-thiazolone hydrazone,
3-methyl-4(3-nitrophenyl)-2(3H)-thiazolone hydrazone,
4-[(1,1'-biphenyl)-4-yl]-3-methyl-2(3H)-thiazolone hydrazone,
3-methyl-4-(2-naphthalenyl)-2(3H)-thiazolone hydrazone,
ethyl 2-hydrazoneo-2,3-dihydro-3-methyl-4-thiazolecarboxylate,
3,4,5-trimethyl-2(3H)-thiazolone hydrazone,
3,4-dimethyl-5-phenyl-2(3H)-thiazolone hydrazone,
3,5-dimethyl-4-phenyl-2(3H)-thiazolone hydrazone,
3-methyl-4,5-diphenyl-2(3H)-thiazolone hydrazone,
5-ethyl-3-methyl-4-phenyl-2(3H)-thiazolone hydrazone,
4-(4-bromophenyl)-3-methyl-5-phenyl-2(3H)-thiazolone hydrazone,
3-methyl-5-phenyl-4-(4-tolyl)-2(3H)-thiazolone hydrazone,
5-(4-chlorophenyl)-4-phenyl-3-methyl-2(3H)-thiazolone hydrazone,
5-(4-chlorophenyl)-4-(4-methoxyphenyl)-3-methyl-2(3H)-thiazolone hydrazone,
ethyl 2-hydrazoneo-2,3-dihydro-3,4-dimethyl-4-thiazolecarboxylate,
4-amino-2-hydrazoneo-2,3-dihydro-3-methyl-5-thiazolecarbonitrile,
3-ethyl-4,5-dimethyl-2(3H)-thiazolone hydrazone,
ethyl 2-hydrazoneo-2,3-dihydro-3-ethyl-4-methylthiazolecarboxylate,

5-methyl-3-(1-methylethyl)-4-phenyl-2(3H)-thiazolone hydrazone,
4,5-dimethyl-3-(1-methylethyl)-4-phenyl-2(3H)-thiazolone hydrazone,
3-(1-methylethyl)-4,5-diphenyl-2(3H)-thiazolone hydrazone,
4,5-dimethyl-3-propyl-2(3H)-thiazolone hydrazone,
4,5-diphenyl-3-propyl-2(3H)-thiazolone hydrazone,
3-butyl-4,5-dimethyl-2(3H)-thiazolone hydrazone,
3-butyl-4,5-diphenyl-2(3H)-thiazolone hydrazone,
4,5-dimethyl-3-(2-methylpropyl)-2(3H)-thiazolone hydrazone,
3-(2-methylpropyl)-4,5-diphenyl-2(3H)-thiazolone hydrazone,
3-hydroxyethyl-2(3H)-thiazolone hydrazone,
3-hydroxyethyl-4-methyl-2(3H)-thiazolone hydrazone,
3-hydroxyethyl-4,5-dimethyl-2(3H)-thiazolone hydrazone,
3-aminoethyl-2(3H)-thiazolone hydrazone,
3-aminoethyl-4-methyl-2(3H)-thiazolone hydrazone,
3-aminoethyl-4,5-dimethyl-2(3H)-thiazolone hydrazone,
3,4-diphenyl-2(3H)-thiazolone hydrazone,
4-methyl-3-phenyl-2(3H)-thiazolone hydrazone,
4-p-biphenylyl-3-phenyl-2(3H)-thiazolone hydrazone,
4-(4-methoxy)phenyl-3-phenyl-2(3H)-thiazolone hydrazone,
4-tert.butyl-3-phenyl-2(3H)-thiazolone hydrazone,
4,5-dimethyl-3-phenyl-2(3H)-thiazolone hydrazone,
5-methyl-3,4-diphenyl-2(3H)-thiazolone hydrazone,
3,4,5-triphenyl-2(3H)-thiazolone hydrazone,
4,5-dimethyl-3-(phenylmethyl)-2(3H)-thiazolone hydrazone,
3-(2-propenyl)-2(3H)-thiazolone hydrazone,
4-methyl-3-(2-propenyl)-2(3H)-thiazolone hydrazone,
4-tert.butyl-3-(2-propenyl)-2(3H)-thiazolone hydrazone,
4-phenyl-3-(2-propenyl)-2(3H)-thiazolone hydrazone,
4,5-dimethyl-3-(2-propenyl)-2(3H)-thiazolone hydrazone,
4,5-diphenyl-3-(2-propenyl)-2(3H)-thiazolone hydrazone,
4,5-dimethyl-3-(phenylmethyl)-2(3H)-thiazolone hydrazone,
ethyl 2-hydrazono-2,3-dihydro-3-[(phenylamino)carbonyl]-4-methylthiazolecarboxylate,
3-methyl-4,5,6,7-tetrahydro-2(3H)-benzothiazolone hydrazone,
3-methyl-2(3H)-benzothiazolone hydrazone,
3,6-dimethyl-2(3H)-benzothiazolone hydrazone,
6-chloro-3-methyl-2(3H)-benzothiazolone hydrazone,

7-chloro-3-methyl-2(3H)-benzothiazolone hydrazone,
6-hydroxy-3-methyl-2(3H)-benzothiazolone hydrazone,
5-methoxy-3-methyl-2(3H)-benzothiazolone hydrazone,
7-methoxy-3-methyl-2(3H)-benzothiazolone hydrazone,
5,6-dimethoxy-3-methyl-2(3H)-benzothiazolone hydrazone,
5-ethoxy-3-methyl-2(3H)-benzothiazolone hydrazone,
6-ethoxy-3-methyl-2(3H)-benzothiazolone hydrazone,
3-methyl-5-nitro-2(3H)-benzothiazolone hydrazone,
3-methyl-6-nitro-2(3H)-benzothiazolone hydrazone,
5-acetamido-3-methyl-2(3H)-benzothiazolone hydrazone,
6-acetarnido-3-methyl-2(3H)-benzothiazolone hydrazone,
5-anilino-3-methyl-2(3H)-benzothiazolone hydrazone,
6-anilino-3-methyl-2(3H)-benzothiazolone hydrazone,
2-hydrazone-2,3-dihydro-3-methyl-6-benzothiazolecarboxylic acid,
2-hydrazone-2,3-dihydro-3-methyl-4-benzothiazolesulfonic acid,
2-hydrazone-2,3-dihydro-3-methyl-5-benzothiazolesulfonic acid,
2-hydrazone-2,3-dihydro-3-methyl-6-benzothiazolesulfonic acid,
2-hydrazone-2,3-dihydro-3-methyl-7-benzothiazolesulfonic acid,
2-hydrazone-2,3-dihydro-N,N,3-trimethyl-6-benzothiazolesulfonamide,
[(2-hydrazone-2,3-dihydro-3-methyl-6-benzothiazolyloxy]acethydrazide,
3-methylnaphtho[2,3-d]thiazole-2(3H)-one hydrazone,
3-ethyl-2(3H)-benzothiazolone hydrazone,
6-ethoxy-3-ethyl-2(3H)-benzothiazolone hydrazone,
3-propyl-2(3H)-benzothiazolone hydrazone,
3-butyl-2(3H)-benzothiazolone hydrazone,
3-hexyl-2(3H)-benzothiazolone hydrazone,
3-hydroxyethyl-2(3H)-benzothiazolone hydrazone,
3-aminoethyl-2(3H)-benzothiazolone hydrazone,
3-p-methylbenzyl-2(3H)-benzothiazolone hydrazone,
2-hydrazone-2,3-dihydro-3-(2-hydroxyethyl)-6-benzothiazolecarboxylic acid,

2-hydrazone-2,3-dihydro-6-methoxy-3(2H)-benzothiazolepropanesulfonic acid,
6-hexadecyloxy-2-hydrazone-3(2H)-benzothiazolepropanesulfonic acid,
ethyl 2-keto-3-benzothiazoline acetate hydrazone,
3-acetyl-2(3H)-benzothiazolone hydrazone,
2-hydrazone-3(2H)-benzothiazole carboxaldehyde,
3-methyl-2(3H)-oxazolone hydrazone,
3-phenyl-2(3H)-oxazolone hydrazone,
3-methyl-2(3H)-benzoxazolone hydrazone,
3-phenyl-2(3H)-benzoxazolone hydrazone,
1,3-dimethyl-4-imidazolin-2-one hydrazone,
1,3-diethyl-4-imidazolin-2-one hydrazone,
1,3-dihydroxyethyl-4-imidazolin-2-one hydrazone,
1,3-diaminoethyl-4-imidazolin-2-one hydrazone,
1,3-dimethyl-4-methoxy-4-imidazolin-2-one hydrazone,
1,3,4-trimethyl-4-imidazolin-2-one hydrazone,
1,3-dimethyl-4-phenyl-4-imidazolin-2-one hydrazone,
4-carboxy-1,3-dimethyl-4-imidazolin-2-one hydrazone,
4-amino-1,3-dimethyl-4-imidazolin-2-one hydrazone,
1,3-dimethyl-4-dimethylamino-4-imidazolin-2-one hydrazone,
1,3-dimethyl-2-benzimidazolinone hydrazone,
1,3-diethyl-2-benzimidazolinone hydrazone,
1,3-dihydroxyethyl-2-benzimidazolinone hydrazone,
1,3-diarninoethyl-2-benzimidazolinone hydrazone,
1,3,5-trimethyl-2-benzimidazolinone hydrazone,
5-methoxy-1,3-dimethyl-2-benzimidazolinone hydrazone,
5-bromo-1,3-dimethyl-2-benzimidazolinone hydrazone,
4,6-dibromo-1,3-dimethyl-2-benzimidazolinone hydrazone,
5-chloro-1,3-dimethyl-2-benzimidazolinone hydrazone,

1,3-dimethyl-5-nitro-2-benzimidazolinone hydrazone,
1,3-dimethyl-6-nitro-2-benzimidazolinone hydrazone,
1 ,4-dimethyl- Δ 2-1,2,4-triazolin-5-one hydrazone,
1,4-dihydroxyethyl- Δ 2-1,2,4-triazolin-5-one hydrazone,
1 ,4-diaminoethyl- Δ 2-1,2,4-triazolin-5-one hydrazone,
1,3,4-trimethyl- Δ 2-1,2,4-triazolin-5-one hydrazone,
1,4-dimethyl-3-phenyl- Δ 2-1,2,4-triazolin-5-one hydrazone,
1,4-dimethyl-3-methoxy- Δ 2-1,2,4-triazolin-5-one hydrazone,
1,4-dimethyl-3-dimethylamino- Δ 2-1,2,4-triazolin-5-one hydrazone,
4-carboxy-1,4-dimethyl- Δ 2-1,2,4-triazolin-5-one hydrazone,
4-amino-1,4-dimethyl- Δ 2-1,2,4-triazolin-5-one hydrazone,
4-butyl-1-methyl-3-phenyl- Δ 2-1,3,4-triazolin-5-one hydrazone,
4-methyl- Δ 2-1,3,4-thiadiazolin-5-one hydrazone,
4-hydroxyethyl- Δ 2-1,3,4-thiadiazolin-5-one hydrazone,
4-aminoethyl- Δ 2-1,3,4-thiadiazolin-5-one hydrazone,
4-methyl-2-phenyl Δ 2-1,3,4-thiadiazolin-5-one hydrazone,
2-methoxy-4-methyl- Δ 2-1,3,4-thiadiazolin-5-one hydrazone,
2-anilino-4-methyl- Δ 2-1,3,4-thiadiazolin-5-one hydrazone,
2-amino-4-methyl- Δ 2-1,3,4-thiadiazolin-5-one hydrazone,
2-dimethylamino-4-methyl- Δ 2-1,3,4-thiadiazolin-5-one hydrazone,
4-methyl-2-(methylthio)- Δ 2-1,3,4-thiadiazolin-5-one hydrazone,
4-(5-hydrazono-4,5-dihydro-4-methyl-1,3,4-thiadiazol-2-yl)benzenesulfonyl fluoride,
4-methyl- Δ 2-1,2,4-thiadiazolin-5-one hydrazone,
4-hydroxyethyl- Δ 2-1,2,4-thiadiazolin-5-one hydrazone,
4-aminoethyl- Δ 2-1,2,4-thiadiazolin-5-one hydrazone,
4-methyl-3-phenyl- Δ 2-1,2,4-thiadiazolin-5-one hydrazone,
3-methoxy-4-methyl- Δ 2-1,2,4-thiadiazolin-5-one
hydrazone,
3-amino-4-methyl- Δ 2-1,2,4-thiadiazolin-5-one hydrazone,

3-dimethylamino-4-methyl- Δ 2-1,2,4-thiadiazolin-5-one hydrazone,
3-carboxy-4-methyl- Δ 2-1,2,4-thiadiazolin-5-one hydrazone,
1,4-dimethyl- Δ 2-1,2,4-triazolin-5-one hydrazone,
1,4-dihydroxyethyl- Δ 2-1,2,4-triazolin-5-one hydrazone,
1,4-diaminoethyl- Δ 2-1,2,4-triazolin-5-one hydrazone,
1, 3,4-trimethyl- Δ 2-1,2,4-triazolin-5-one hydrazone,
1,4-dimethyl-3-phenyl- Δ 2-1,2,4-triazolin-5-one hydrazone, and
4-methyl-3-phenyl- Δ 2-1,2,4-triazolin-5-one hydrazone.

(b) at least one known coupler or physiologically compatible salt thereof; and
(c) as oxidant a combination of at least one persulfate salt and hydrogen peroxide
and/or an additional compound thereof, which is selected from the group consisting of
an additional compound of hydrogen peroxide to urea, an additional compound of
hydrogen peroxide to melamine, an additional compound of hydrogen peroxide to
sodium borate and an additional compound of hydrogen peroxide to sodium carbonate.

4. (previously presented) Agent according to claim 1, characterized in that the coupler is selected from among N-(3-diethylaminophenyl)urea, 2,6-diaminopyridine, 2-amino-4-[(2-hydroxyethyl)aminolanisole, 2,4-diamino-1-fluoro-5-methylbenzene, 2,4-diamino-1-methoxy-5-methylbenzene, 2,4-diamino-1-ethoxy-5-methylbenzene, 2,4-diamino-1-(2-hydroxyethoxy)-5-methylbenzene, 2,4-di[(2-hydroxyethyl)amino]-1,5-dimethoxybenzene, 2,3-diamino-6-methoxypyridine, 3-amino-6-methoxy-2-(methylamino)pyridine, 2,6-diamino-3,5-dimethoxypyridine, 3,5-diamino-2,6-dimethoxypyridine, 1,3-diaminobenzene, 2,4-diamino-1-(2-hydroxyethoxybenzene, 1,3-diamino-4-(2,3-dihydroxypropoxy)benzene, 1,3-diamino-4-(3-hydroxypropo)benzene, 1,3-diamino-4-(2-nethoxyethoxy)benzene, 2,4-diamino-1,5-di(2-hydroxyethoxy)benzene, 1-(2-aminoethoxy)-2,4-diaminebenzene, 2-arnino-1-(2-hydroxyethoxy)-4-methylaminobenzene, 2,4-diaminophenoxyacetic acid, 3-t[di(2-hydroxyethyl)aminolaniline, 4-amino-2-di[(2-hydroxyethylamino]-1-ethoxybenzene, 5-methyl-2-(1-methylethyl)phenol, 3-[(2-hydroxyethyl)amino]aniline, 3-[(2-aminoethyl)amino]aniline, 1,3-di(2,4- diaminophenoxy)propane, di(2,4-

ciiaminophenoxy)methane, 1 ,3-diamino-2,4-dimethoxybenzene, 2,6-bis-(2-hydroxyethyl)aminotoluene, 4-hydroxyindole, 3-dimethylaminophenol, 3-diethylaminophenol, 5-amino-2-methylphenol, 5-amino-4-fluoro-2-methylphenol, 5-amino-

4-methoxy-2-methylphenol, 5-amino-4-ethoxy-2-methylphenol, 3-amino-2,4-dichlorophenol, 5-amino-2,4-dichlorophenol, 3-amino-2-methylphenol, 3-amino-2-chloro-6-methylphenol, 3-aminophenol, 2-[(3-hydroxyphenyl)amino]acetamide, 5-[(2-hydroxyethyl)amino]-4-methoxy-2-methylphenol, 5-[(2-hydroxyethyl)amino]-2-methylphenol, 3-[(2-hydroxyethyl)amino]-phenol, 3-[(2-methoxyethyl)amino]phenol, 5-amino-2-ethylphenol, 5-amino-2-methoxyphenol, 2-(4-amino-2-hydroxyphenoxy)ethanol, 5-[(3-hydroxypropyl)amino]-2-methylphenol, 3-[(2,3-dihydroxypropyl)amino]-2-methylphenol, 3-[(2-hydroxyethyl)amino]-2-methylphenol, 2-amino-3-hydroxypyridine, 2,6-dihydroxy-3,4-dimethylpyridine, 5-amino-4-chloro-2-methyl-phenol, 1-naphthol, 2-methyl-1-naphthol, 1,5-dihydroxynaphthalene, 1,7-dihydroxynaphthalene, 2,3-dihydroxynaphthalene, 2,7-dihydroxynaphthalene, 2-methyl-1-naphthol acetate, 1,3-dihydroxybenzene, 1-chloro-2,4-dihydroxybenzene, 2-chloro-1,3-dihydroxybenzene, 1,2-dichloro-3,5-dihydroxy-4-methylbenzene, 1,5-dichloro-2,4-dihydroxybenzene, 1,3-dihydroxy-2-methylbenzene, 3,4-methylenedioxyphenol, 3,4-methylenedioxybenzene, 5-[(2-hydroxyethyl)amino]-1,3-benzodioxole, 6-bromo-1-hydroxy-3,4-methylenedioxybenzene, 3,4-diaminobenzoic acid, 3,4-dihydro-6-hydroxy-1,4(2H)benzoxazine, 6-amino-3,4-dihydro-1,4(2H)benzoxazine, 3-methyl-1-phenyl-5-pyrazolone, 5,6-dihydroxyindole, 5,6-dihydroxyindoline, 5-hydroxyindole, 6-hydroxyindole, 7-hydroxyindole and 2,3-indolinedione.

5. (previously presented) Agent according to claim 1, characterized in that the persulfate salt is selected from among potassium persulfate, sodium persulfate and ammonium persulfate.

6. (previously presented) Agent according to claim 1, characterized in that it contains the hydrazone derivatives of formula (1), the couplers and the persulfate salts in a total amount of 0.01 to 10 weight percent, each.

7. (previously presented) Agent according to claim 1, characterized in that it additionally contains from 0.01 to 10 weight percent of a physiologically harmless direct dye.

8. (previously presented) Agent according to claim 1, characterized in that it has a pH from 7 to 10.

9. (previously presented) Agent according to claim 1, characterized in that it is a hair colorant.

10. (previously presented) Multicomponent kit consisting of a dye carrier composition (A1) containing a compound of formula (1), another dye carrier composition (A2) containing the couplers and persulfate salts and an aqueous composition (A3) containing hydrogen peroxide or an addition compound thereof, as well as optionally an agent for adjusting the pH.

11. (currently amended) Multicomponent kit consisting of a powder (component 1) containing the compounds of formula (1), the couplers, the persulfate salts and optionally the alkalinizing agent as well as other common powdered cosmetic additives, and an aqueous cosmetic preparation (component 2) containing hydrogen peroxide and/or an addition compound thereof, which is selected from the group consisting of an additional compound of hydrogen peroxide to urea, an additional compound of hydrogen peroxide to melamine, an additional compound of hydrogen peroxide to sodium borate and additional compound of hydrogen peroxide to sodium carbonate.

12. (previously presented) Method for the simultaneous brightening and coloring of hair whereby a colorant according to claim 1 is applied to the hair, and after an exposure time of 5 to 60 minutes at a temperature of 20 to 50 °C the hair is rinsed with water, optionally washed with a shampoo and then dried.